

ABSTRACT

5 A display device executing a network messaging protocol and capable of
receiving display requests from multiple network devices communicating with the
display device over an Internet Protocol (IP) based network is disclosed. The network
priority messaging protocol executed by the display device enables the display device to
efficiently display messages received from multiple network devices. The protocol
enables the display device to prioritize among incoming messages from different
10 network devices and to prioritize among incoming multiple messages from a single
device. The protocol executed by the display device further enables the display device
to receive display characteristics encoded as part of a message from a network device.
The display device executing the network priority messaging protocol is able to process
and display multiple message requests without the need to prematurely overwrite the
15 message currently being displayed or to segment the display surface of the display
device into smaller pieces.